

WHAT IS CLAIMED IS:

1. An optical device comprising:  
an optical member;  
driving means for driving said optical member;  
5 storage means for storing preset information about driving of said optical member;  
an information write device for writing the preset information in said storage means from outside of said optical device; and  
10 control means for performing driving control of said driving means, wherein said control means performs preset driving control of said driving means on the basis of the preset information stored in said storage means.  
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2. A device according to claim 1, wherein  
said information write device generates preset information of an arbitrary form, and  
said optical device further comprises information  
20 conversion means for converting the preset information of the arbitrary form from said information write device into preset information of a form processible by said control means, said information conversion means storing the converted preset information of the  
25 processible form in said storage means.
3. A device according to claim 1, wherein

said information write device generates, as preset information of an arbitrary form, relative position information representing a driving amount from a predetermined position in a movable range of said optical member, and

said optical device further comprises information conversion means for converting the relative position information from said information write device into preset information representing an actual driving position of said optical member, said information conversion means storing the converted preset information representing the actual driving position in said storage means.

4. A device according to claim 1, wherein said information write device generates focal length information as preset information of an arbitrary form, and

said optical device further comprises information conversion means for converting the focal length information from said information write device into preset information representing an actual driving position of said optical member, said information conversion means storing the converted preset information representing the actual driving position in said storage means.

5. A device according to claim 1, wherein  
said information write device generates, as preset  
information of an arbitrary form, driving time  
information representing a driving time taken from one  
5 end to the other end in a movable range of said optical  
member, and

said optical device further comprises information  
conversion means for converting the driving time  
information from said information write device into  
10 preset information representing an actual driving speed  
of said optical member, said information conversion  
means storing the converted preset information  
representing the actual driving speed in said storage  
means.

6. A device according to claim 1, wherein  
said information write device generates, as preset  
information of an arbitrary form, range driving time  
information representing a driving time in a driving  
20 range of the preset driving control, and

said optical device further comprises information  
conversion means for converting the range driving time  
information from said information write device into  
preset information representing a driving speed of said  
25 optical member, said information conversion means  
storing the converted preset information representing  
the driving speed in said storage means.

7. A device according to claim 1, wherein said  
information write device generates preset information  
of a form processible in the preset driving control,  
and stores the generated preset information in said  
5 storage means.

8. A device according to claim 1, wherein said  
optical member includes a zoom lens optical system.

10 9. A device according to claim 1, wherein said  
information write device includes a computer.

10. An optical device comprising:  
an optical member;  
15 driving means for driving said optical member;  
storage means for storing preset information about  
driving of said optical member;  
storage operation setting means operated to store  
device-side preset information in said storage means;  
20 an information write device for writing external  
preset information in said storage means from outside  
of said optical device;  
selection means for selecting either of the  
device-side preset information and the external preset  
25 information that are stored in said storage means; and  
control means for performing driving control of  
said driving means, wherein said control means selects

either of the device-side preset information and the external preset information that are stored in said storage means in accordance with a selection result of said selection means, and performs preset driving  
5 control of said driving means on the basis of the selected preset information.

11. An optical device driving unit mounted on or connected to an optical device main body having an  
10 optical member, comprising:  
an optical member;  
driving means for driving said optical member;  
storage means for storing preset information about driving of said optical member;  
15 an information write device for writing the preset information in said storage means from outside of said optical device; and  
control means for performing driving control of said driving means, wherein said control means performs  
20 preset driving control of said driving means on the basis of the preset information stored in said storage means.

12. An optical device driving unit mounted on or  
25 connected to an optical device main body having an optical member, comprising:  
an optical member;

driving means for driving said optical member;

storage means for storing preset information about  
driving of said optical member;

storage operation setting means operated to store  
5 device-side preset information in said storage means;

an information write device for writing external  
preset information in said storage means from outside  
of said optical device;

selection means for selecting either of the  
10 device-side preset information and the external preset  
information that are stored in said storage means; and

control means for performing driving control of  
said driving means, wherein said control means selects  
either of the device-side preset information and the  
15 external preset information that are stored in said  
storage means in accordance with a selection result of  
said selection means, and performs preset driving  
control of said driving means on the basis of the  
selected preset information.

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13. An information write device connected to an  
optical device including:

an optical member;

driving means for driving said optical member;

25 storage means for storing preset information about  
driving of said optical member; and

control means for performing driving control of

said driving means, said control means performing preset driving control of said driving means on the basis of the preset information stored in said storage means, comprising:

5 connection means for connecting said information write device to said optical device;

driving command operation means operated to designate driving of said optical member, said driving command operation means generating driving information;  
10 and

storage command operation means operated to store the driving information from said driving command operation means as preset information in said storage means.

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14. A preset information setting system having an optical device and an information write device connected to the optical device, comprising:

an optical member;  
20 driving means for driving said optical member;  
storage means for storing preset information about driving of said optical member;

control means for performing driving control of said driving means, said control means performing  
25 preset driving control of said driving means on the basis of the preset information stored in said storage means;

connection means for connecting the information  
write device to the optical device;

driving command operation means operated to  
designate driving of said optical member, said driving  
5 command operation means generating driving information;  
and

storage command operation means operated to store  
the driving information from said driving command  
operation means as preset information in said storage  
10 means.

15. A camera system having a camera on which an  
optical device is mounted, comprising:

an optical member;

15 driving means for driving said optical member;

storage means for storing preset information about  
driving of said optical member;

an information write device for writing the preset  
information in said storage means from outside of said  
20 optical device; and

control means for performing driving control of  
said driving means, said control means performing  
preset driving control of said driving means on the  
basis of the preset information stored in said storage  
25 means.

